

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| S18   | 2      | ((("3438389") or ("5163920"))).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO             | OR               | OFF     | 2007/03/29 19:05 |
| S9    | 4      | ("2748801").URPN.   | USPAT                                       | OR               | ON      | 2007/03/29 19:05 |
| S17   | 53     | S14 and S16   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/29 10:28 |
| S16   | 2383   | S11 or S13 or S15   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/29 10:28 |
| S15   | 660    | 138/31.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/29 10:28 |
| S14   | 16581  | piston and equaliz\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/29 10:28 |
| S1    | 660    | 138/31.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/29 10:28 |
| S13   | 637    | 138/26.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/29 10:27 |
| S12   | 0      | 138/2630.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/29 10:27 |
| S11   | 1418   | 138/30.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/29 10:27 |
| S10   | 4      | ("2748801").URPN.   | USPAT                                       | OR               | ON      | 2007/03/29 10:22 |
| S8    | 1      | ("2748801").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO             | OR               | OFF     | 2007/03/29 00:37 |
| S7    | 5      | ("4177837").URPN.   | USPAT                                       | OR               | ON      | 2007/03/29 00:37 |
| S6    | 4      | ("2715419").URPN.   | USPAT                                       | OR               | ON      | 2007/03/29 00:28 |
| S5    | 15     | ("2715419"   "2753892"   "2780504"   "2793623"   "3158180"   "3363512"   "3613734"   "3863677"   "4040600").PN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR               | ON      | 2007/03/29 00:26 |
| S4    | 8      | ("3158180").URPN.   | USPAT                                       | OR               | ON      | 2007/03/29 00:26 |
| S3    | 288    | S1 and S2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/28 23:43 |
| S2    | 653682 | piston  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/28 23:43 |